

**Listing of Claims:**

1. (Currently Amended) A digital evidential camera system for detecting an alteration of image data obtained by photographing an object, comprising:

5 a camera including an image pickup unit for picking up an image of an object, and an encryption processing unit for generating alteration detection data using a built-in encryption key from the image data picked up by the image pickup unit; ~~and~~

10 an alteration detection unit for decrypting the alteration detection data generated by the encryption processing unit using a decryption key corresponding to the encryption key, and for detecting whether the image data has been altered based on a result of the decryption; and

B<sup>1</sup>  
15 means for identifying a photographer that is removably connected to the camera and that includes data for identifying the photographer;

wherein the encryption processing unit generates the alteration detection data based on the encryption key, the image data, and the data for identifying ~~a~~ the photographer;

20 wherein the encryption processing unit also utilizes data obtained by application of a predetermined function to the image data to generate the alteration detection data.

Claim 2 (Canceled).

3. (Currently Amended) A digital evidential camera system according to claim 2 1,

wherein the alteration detection unit detects whether ~~or not~~ the image data has been altered by comparing the data obtained by application of the predetermined function to the image data with data obtained by decrypting the alteration detection data using the decryption key.

4. (Currently Amended) A digital evidential camera system for detecting an alteration of image data obtained by photographing an object, comprising:

a camera including an image pickup unit for picking up an image of an object, and an encryption processing unit for generating alteration detection data using a built-in encryption key from the image data picked up by the image pickup unit; ~~and~~

an alteration detection unit for decrypting the alteration detection data generated by the encryption processing unit using a decryption key corresponding to the encryption key, and for detecting whether the image data has been altered based on a result of the decryption; and

means for identifying a photographer that is removably connected to the camera and that includes data for identifying the photographer;

wherein the encryption processing unit generates the alteration detection data based on the encryption key, the image data, and the data for identifying ~~a~~ the photographer; and

wherein the encryption processing unit generates first data  
20 from the image data using the encryption key, generates second data from the image data using the data for identifying the photographer, and combines the first data and the second data into the alteration detection data.

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5. (Currently Amended) A digital evidential camera system for detecting an alteration of image data obtained by photographing an object, comprising:

a camera including an image pickup unit for picking up an  
5 image of an object, and an encryption processing unit for generating alteration detection data using a built-in encryption key from the image data picked up by the image pickup unit; ~~and~~

an alteration detection unit for decrypting the alteration detection data generated by the encryption processing unit using  
10 a decryption key corresponding to the encryption key, and for detecting whether the image data has been altered based on a result of the decryption;

means for identifying a photographer that is removably connected to the camera and that includes data for identifying  
15 the photographer;

wherein the encryption processing unit generates first data from the image data using the encryption key, generates second data from the image data using the data for identifying the photographer, and combines the first data and the second data  
20 into the alteration detection data.

6. (Currently Amended) A digital evidential camera system for detecting an alteration of image data obtained by photographing an object, comprising:

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5 a camera including an image pickup unit for picking up an image of an object, and a first encryption processing unit for generating first alteration detection data using a built-in encryption key from the image data picked up by the image pickup unit;

10 an alteration detection unit for decrypting the first alteration detection data generated by the encryption processing unit using a decryption key corresponding to the encryption key, and for detecting whether the image data has been altered based on a result of the decryption;

15 means for identifying a photographer that is removably connected to the camera and that includes data for identifying the photographer;

a storage unit for storing the data for identifying ~~a~~ the photographer and the encryption key; and

20 a second encryption processing unit for generating second  
alteration detection data from the data for identifying the  
photographer;

wherein the first encryption processing unit generates the  
first alteration detection data based on the encryption key, the  
image data, and the data for identifying the photographer; and

25 wherein the second encryption processing unit is removably  
mounted on the camera.

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7. (Previously Presented) A digital evidential camera  
system according to claim 1,

5 wherein the encryption processing unit generates the  
alteration detection data using the encryption key from a  
combination of the image data and the data for identifying the  
photographer.

8. (Currently Amended) A digital evidential camera system  
for detecting an alteration of image data obtained by  
photographing an object, comprising:

5 a camera including an image pickup unit for picking up an  
image of the object, and an encryption processing unit for  
generating alteration detection data using a built-in encryption  
key from the image data obtained by the image pickup unit; and

an alteration detection unit for decrypting the alteration  
detection data generated by the encryption processing unit using  
10 a decryption key corresponding to the encryption key, and for  
detecting whether the image data has been altered based on a  
result of the decryption; and.

means for identifying a photographer that is removably  
connected to the camera and that includes data for identifying  
15 the photographer;

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wherein the camera includes a mode selection unit for  
selecting at least one of an alteration monitor mode for  
detecting whether the image data has been altered, a secure mode  
for encrypting the image data transferred from the camera to the  
20 alteration detection unit, a digital watermark mode for embedding  
a digital watermark in the image data, and a normal mode for  
taking a photograph without a security function.

Claim 9 (Canceled).

10. (Currently Amended) A digital image editing system for  
detecting an alteration of image data and editing the image data,  
comprising:

a filing management unit for filing and managing the image  
5 data input thereto through an image input unit;

an alteration detection unit for decrypting first alteration  
detection data attached to the image data by use of a decryption  
key corresponding to a first encryption key used for generating  
the alteration detection data, and for comparing the first  
10 alteration detection data thus decrypted with the image data  
thereby to detect the alteration of the image data;

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an image editing unit for processing the image data; and

an image file updating unit for generating second alteration  
detection data using a second encryption key other than the first  
15 encryption key from the image data processed by the image editing  
unit and editing history data output by the image editing unit,  
and for adding the second alteration detection data to the edited  
image data;

means for adding and storing editor authentication data read  
20 from a detachable IC card;

wherein the image file updating unit is removably mounted on  
the digital image editing system, and has stored therein the  
editor authentication data and the second encryption key; and

wherein the second alteration detection data is generated  
25 using the second encryption key and the editor authentication  
data.

Claim 11-13 (Canceled).

14. (Currently Amended) A digital evidential camera system for detecting an alteration of image data obtained by photographing an object, comprising:

5 a camera including an image pickup unit for picking up an image of an object, and an encryption processing unit for generating alteration detection data using a built-in encryption key from the image data picked up by the image pickup unit; ~~and~~

B/ an alteration detection unit for decrypting the alteration detection data generated by the encryption processing unit using  
10 a decryption key corresponding to the encryption key, and for detecting whether the image data has been altered based on a result of the decryption; and

means for identifying a photographer that is removably connected to the camera and that includes data for identifying  
15 the photographer;

wherein the image data comprises multiple resolution image data including a plurality of image data of different resolutions combined and stored in different sets; and

20 wherein the encryption processing unit includes a selection unit for selecting at least one image data having a desired resolution from the multiple resolution image data in order to generate the alteration detection data.



15. (Previously Presented) A digital evidential camera system according to claim 10,

wherein the image data comprises multiple resolution image data including a plurality of image data of different resolutions combined and stored in different sets; and

wherein the encryption processing unit includes a selection unit for selecting at least an image data having a desired resolution from the multiple resolution image data in order to generate the alteration detection data.

16. (Currently Amended) A digital evidential camera system for detecting an alteration of image data obtained by photographing an object, comprising:

a camera including an image pickup unit for picking up an image of an object, and an encryption processing unit for generating alteration detection data using a built-in encryption key from the image data picked up by the image pickup unit; ~~and~~

an alteration detection unit for decrypting the alteration detection data generated by the encryption processing unit using a decryption key corresponding to the encryption key, and for detecting whether the image data has been altered based on a result of the decryption; and

means for identifying a photographer that is removably  
connected to the camera and that includes data for identifying  
the photographer;

15 wherein the image data comprises multiple resolution image  
data including a plurality of image data of different resolutions  
combined and stored in different sets;

20 wherein each of the multiple resolution image data is stored  
in units of a predetermined small block; and

B1 wherein the encryption processing unit generates the  
alteration detection data in units of the small block.

17. (Previously Presented) A digital evidential camera  
system according to claim 10,

5 wherein the image data comprises multiple resolution image  
data including a plurality of image data of different resolutions  
combined and stored in different sets;

wherein each of the multiple resolution image data is stored  
in units of a predetermined small block; and

wherein the encryption processing unit generates the  
alteration detection data in units of the small block.

18. (Previously Presented) A digital image editing system according to claim 10,

wherein at least a part of the image file updating unit is removably mounted on the digital image editing system, and has stored therein editor information and the second encryption key, and

B/ wherein the second alteration detection data is generated using the second encryption key based on the image data, and data obtained by applying a predetermined function from the editing history data output by the image editing unit.

19. (Previously Presented) A digital evidential camera system according to claim 4,

wherein the encryption processing unit also utilizes data obtained by application of a predetermined function to the image data to generate the alteration detection data.

20. (Previously Presented) A digital evidential camera system according to claim 19,

wherein the alteration detection unit detects whether or not the image data has been altered by comparing the data obtained by application of the predetermined function to the image data with data obtained by decrypting the alteration detection data using the decryption key.

21. (Previously Presented) A digital evidential camera system according to claim 5,

wherein the encryption processing unit also utilizes data obtained by application of a predetermined function to the image data to generate the alteration detection data.

22. (Previously Presented) A digital evidential camera system according to claim 21,

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5 wherein the alteration detection unit detects whether or not the image data has been altered by comparing the data obtained by application of the predetermined function to the image data with data obtained by decrypting the alteration detection data using the decryption key.

23. (Previously Presented) A digital evidential camera system according to claim 6,

5 wherein the encryption processing unit utilizes data obtained by application of a predetermined function to the image data to generate the alteration detection data.

24. (Previously Presented) A digital evidential camera system according to claim 23,

wherein the alteration detection unit detects whether or not the image data has been altered by comparing the data obtained by

5 application of the predetermined function to the image data with data obtained by decrypting the alteration detection data using the decryption key.

25. (Currently Amended) A digital evidential camera system for detecting an alteration of image data obtained by photographing an object, comprising:

5 a camera including an image pickup unit for picking up an image of an object, and a first encryption processing unit for generating first alteration detection data using a built-in encryption key from the image data picked up by the image pickup unit;

10 an alteration detection unit for decrypting the first alteration detection data generated by the encryption processing unit using a decryption key corresponding to the encryption key, and for detecting whether the image data has been altered based on a result of the decryption;

15 means for identifying a photographer that is removably connected to the camera and that includes data for identifying the photographer;

a storage unit for storing the data for identifying a photographer and the encryption key; and

20 a second encryption processing unit for generating second  
alteration detection data from the data for identifying the  
photographer;

wherein the second encryption processing unit is removably  
mounted on the camera.

26. (Previously Presented) A digital evidential camera  
system according to claim 25,

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5 wherein the encryption processing unit utilizes data  
obtained by application of a predetermined function to the image  
data to generate the alteration detection data.

27. (Previously Presented) A digital evidential camera  
system according to claim 26,

5 wherein the alteration detection unit detects whether or not  
the image data has been altered by comparing the data obtained by  
application of the predetermined function to the image data with  
data obtained by decrypting the alteration detection data using  
the decryption key.

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